

REFERENCES

LOCUS:

ASSESSOR MAP 31, PARCEL 012
BOOK 61203, PAGES 279
PLAN BOOK 958, PLAN 55,
PLAN BOOK 948, PLAN 11

LELAND STREET IS NO LONGER A STREET
IT WAS DISCONTINUED BY CITY VOTE
PLAN BOOK 885, PLAN 75

SEE PLAN BOOK 948, PLAN 11 FOR
FORMER HOUSE LOCATION AT 18 LELAND STREET
PAVEMENT EXISTED FOR A DRIVEWAY

TEST HOLE INFORMATION

DTH 1 DATE: 8-4-21 GROUND EL = 452.8'
0'-22" Ap LOAM 10 YR 3/2
22"-38" Bw SL 10 YR 5/8
38"-70" C1 SL 10 YR 6/2
70"-234" C2 SL 10 YR 5/2
MOTTLES AT 48' - EL = 448.8'
BREAKOUT AT 150' - EL = 440.3'
STANDING WATER 220" EL = 434.5'
C LAYER SOILS HAVE A MASSIVE TEXTURE (LIKE MODELING CLAY)
C LAYER SOIL CONSISTANCY COULD BE TERMED WET

EROSION CONTROL MATS ARE TO COVER
THE FINISH GRADED SECTIONS OF THE SLOPE.
THIS FINISH GRADING IS TO BE A MAXIMUM
OF 2 TO 1 SLOPE.

N/F HAWA JAH
62 ST. LOUIS
STREET

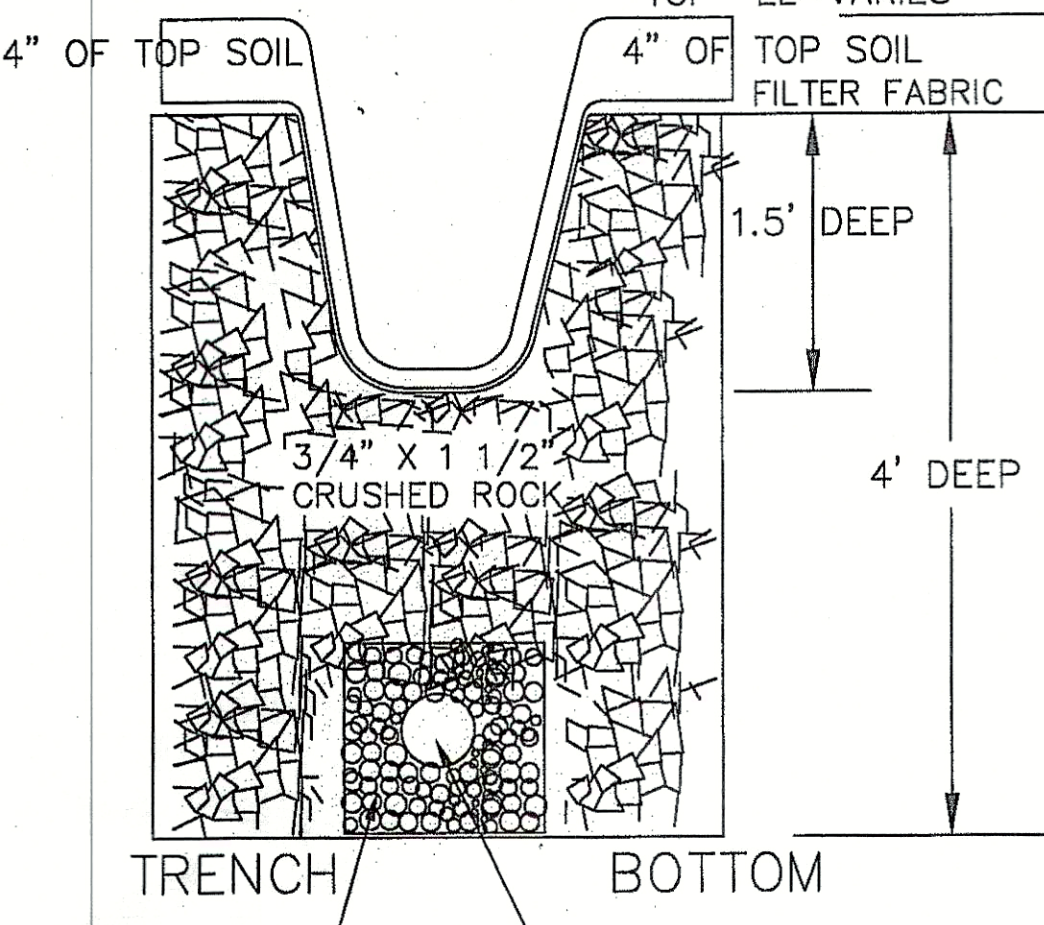
N/F
CHARLES FEGREUS
64 ST. LOUIS
STREET

N/F NICOLE YANG
66 ST. LOUIS
STREET

PLAN BOOK 948, PLAN 11

STONE BOUND W/
DRILL HOLE FOUND

LEACHING DRAIN PIPE
WITH OVERHEAD SWALE
TRENCH DETAIL



NOTES:

THE PURPOSE OF THIS PLAN IS TO RECREATE THE ON GROUND CONDITIONS OF THE
SUBJECT PROPERTIES AS THEY EXISTED DURING THE CALENDER YEAR 2018.
THOSE PROPERTIES HAD THE FOLLOWING STREET ADDRESSES:
1089 MILLBURY STREET
1087 MILLBURY STREET
REAR LAND OWNED BY GOLD STAR (FORMER 18 LELAND LOT)

THE REAR LOT AREA OF BOTH 1089 A+B IS TO BE LOAMED & SEEDED AS SOON AS PRACTICAL

IF APPROVED, THE PROPOSED LAWN CATCH BASIN DRAINAGE SYSTEM WILL
HAVE A 20' WIDE ACCESS, EGRESS, MAINTENANCE, AND UTILITY EASEMENT.

ON ALL SLOPES WHICH ARE BEING FINISHED GRADED, JUTE EROSION CONTROL MATS, WHICH
WILL BE DIRECTLY SECURED INTO THE SLOPE. WILL BE CAPABLE OF HAVING A LAYER OF GRASS.
THESE MATS WILL PROMOTE THE GROWTH OF GRASS, AND WILL ALSO ALLOW A ROOT SYSTEM
TO BE ESTABLISHED. THIS ESTABLISHED ROOT SYSTEM WILL ALLOW THE GRASS TO FLOURISH.

TIMELINE: (TIMES ARE IN PARENTHESES)

1. INSTALL SILT FENCING WITH STRAW WATTLE AS SHOWN ON THIS PLAN. (1 DAY)
2. BRING SUITABLE FILL MATERIAL TO THE JOB SITE TO REPLACE THE
EXCAVATED HILLSIDE EARTHEN MATERIAL. (1 DAYS)
3. WHILE MATERIAL IS BEING BROUGHT TO THE SITE, SIMULTANEOUSLY START
THE FINISH GRADING OF THE EXPOSED HILLSIDE SLOPE. (2 DAYS)
4. WHEN FINISH GRADING OF THE CUT SECTION OF THE HILLSIDE IS
START COMPLETED, SPREADING A 4" THICK LAYER OF LOAM OVER
THE FINISH GRADED SLOPED FILL MATERIAL. (1 DAY)
5. INSTALL AND SECURE THE EROSION CONTROL MATS OVER THE LOAM &
SEED. THESE JUTE EROSION CONTROL MATS ARE 100% BIODEGRADABLE.
THESE MATS ARE DESIGNED TO ALLOW THE SEED TO GERMINATE
AND ESTABLISH A FIRM ROOT SYSTEM FOR THE GRASS. (2 DAYS)
6. SPRAY WINTER TYPE GRASS MIX ON THE SITE.
7. WHEN THE SLOPE IS STABILIZED, CONSTRUCTION OF THE 2 (TWO) LAWN CATCH
BASINS CAN BEGIN. THE 12" DIAMETER PERFORATED PIPING BETWEEN THE
THE CATCH BASINS WILL ACT AS A LEACHING TRENCH. THIS LEACHING
ACTION WILL ALLOW FOR A RECHARGE OF THE AQUIFER. (4 DAYS)
8. DIRECTLY ABOVE THE 12" PIPING WILL BE A DRAINAGE COLLECTION SWALE. (1 DAY)
8. WHEN WHEN THE DRAINAGE WORK IS COMPLETED, ALL EXPOSED EARTH
AREAS ARE TO BE LOAMED AND SEEDED AS SOON AS PRACTICAL.

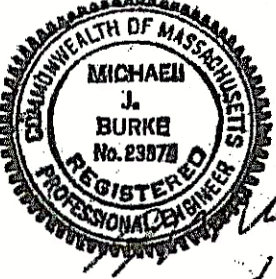
IMPERVIOUS CALCULATIONS

A= DUPLEX W/ DECKS = 1,824 SF
A= ALL AREAS OF PAVEMENT = 2,145 SF (+/-)
TOTAL IMPERVIOUS = 3,969 SF (+/-)

A= RIP RAP STONE AREA = 2,200 SF
TOTAL (GOLD STAR) LAND AREA
AREA = 35,229 SF

PERCENT
IMPERVIOUS = $\frac{3,969 \text{ SF}}{35,229 \text{ SF}} = 11.27 \%$

THE FOLLOWING IS A PLAN WHICH IS DESIGN TO PREVENT EROSION CONTROL &
TO RECHARGE THE AQUIFER WITH THE USE OF LEACHING TRENCHES.

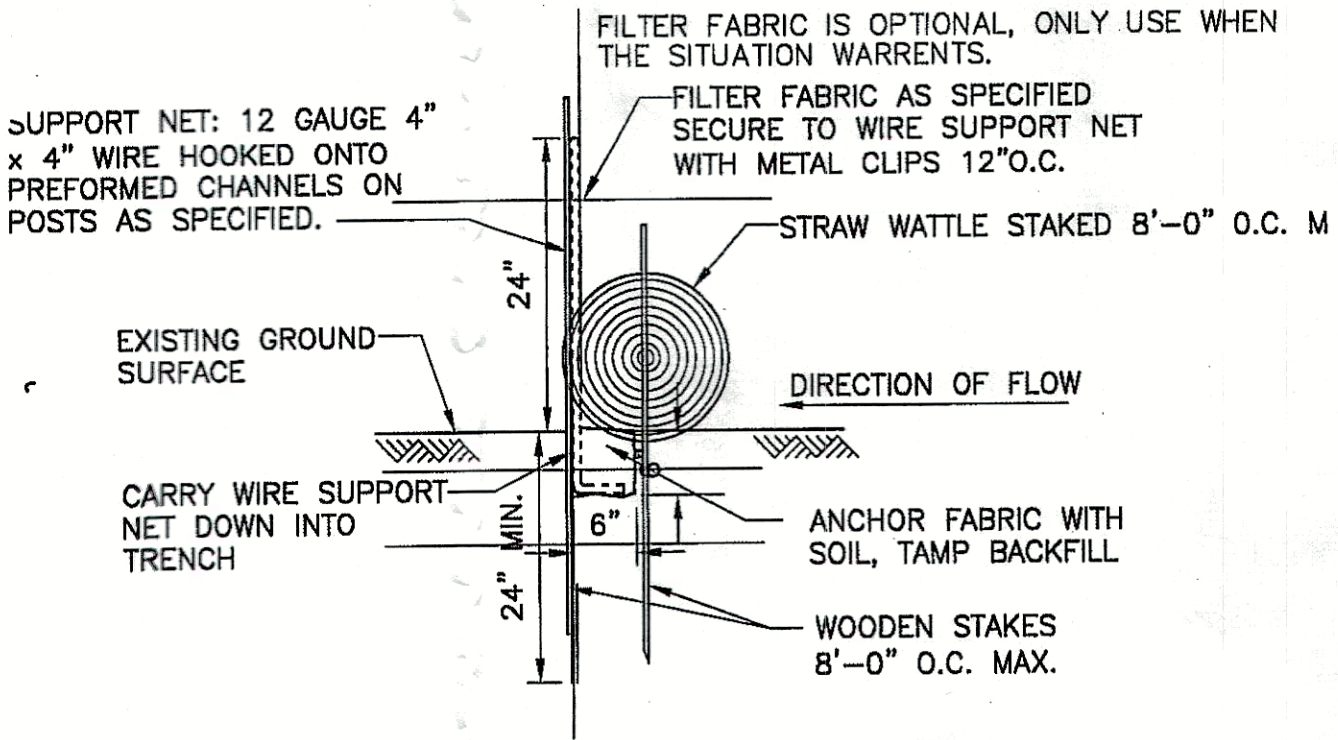


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ASSISTED BY DAVID SADOWSKI S.I.T. & C.E.

LEGEND:

- BK = BOOK
- PG = PAGE
- BND = BOUND
- PAR = PARCEL
- FND = FOUND
- DH = DRILL HOLE
- IR = IRON REBAR
- SB = STONE BOUND
- GB = GRANITE BOUND
- MAP = ASSESSORS MAP
- N/F = NOW OR FORMERLY
- = TRAFFIC FLOW ARROW
- NTS = NOT TO SCALE
- DIA = DIAMETER
- FG = FINISH GRADE
- PERF = PERFORATED
- DTH = DEEP TEST HOLE
- DCB = DRAIN CATCH BASIN
- INV = INVERT
- R = RIM

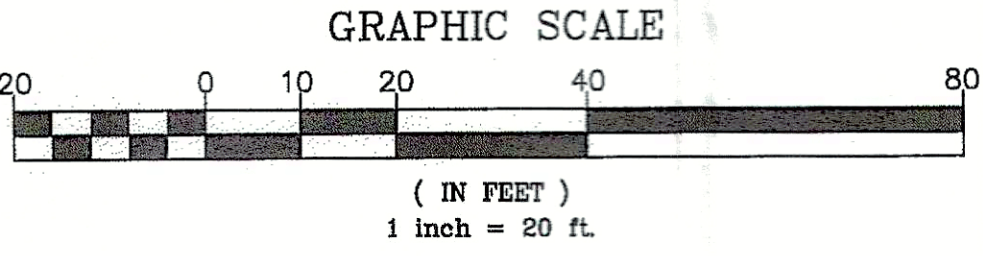
STRAW WATTLE WITH SILT FENCING
INSTALLATION DETAIL

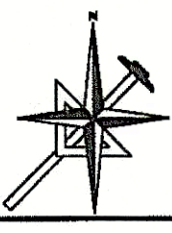


HANES GEO COMPONENTS JUTE MATS

FEATURES
MATRIX - 100% BIODEGRADABLE
LONGEVITY - 2 TO 3 YEARS
ROLL - 78.74 INCHES WIDE
LENGTH - 164 FEET PER ROLL
AREA COVERED 110 SQUARE YARDS
THICKNESS - 4" THICK

THE LOCAL DISTRIBUTER IS LOWES HOME IMPROVEMENT



PROPOSED LAWN DRAINAGE PLAN 1087-1089 MILLBURY STREET WORCESTER, MASSACHUSETTS	
PREPARED FOR:	GOLD STAR CONSTRUCTION 6 JACQUES STREET WORCESTER, MA.
OWNER:	GOLD STAR CONSTRUCTION 6 JACQUES STREET WORCESTER, MA.
 D. J. & ASSOCIATES 7 CEDAR STREET CLINTON, MA 01510 978-875-0741	
REV 5: LOCATE & ADD EROSION MATS	DATED: 10/26/21
REV 4: EXISTING RESHAPED CONDITION	DATED: 10/17/21
REV 3: EROSION MATS CHANGED	DATED: 09/19/21
DATE: FEBRUARY 19, 2021	SCALE: 1" = 20'